

ABSTRACT OF DISCLOSURE

A multi-component analyzing apparatus in which infrared light is irradiated to a measuring-subject sample S which is constituted by either measuring-subject components whose sorts or quantities are limited or by a mixed article made of said measuring-subject components; intensity of infrared light having respective wavelength ranges which are fitted to infrared absorption spectra of the respective measuring-subject components among such infrared light penetrated through the measuring-subject sample S is measured by employing a plurality of detectors 4a to 4g corresponding thereto; and said multi-component analyzing apparatus is comprised of a calculation processing unit 6 for analyzing the infrared light intensity of the respective wavelength ranges so as to acquire concentration x_1 to x_7 of the respective measuring-subject components; wherein the calculation processing unit 6 is capable of executing an analyzing process program P for executing analysis operations of the concentration x_1 to x_7 of the respective measuring-subject components by solving simultaneous equations which are constituted by equations having mutual interference correction terms used to correct interference adverse influences occurred among the respective measuring-subject components.